



**Björn Mohr**  
**SMØMDG / SEØX**  
VP2MSW  
V26BM

# CY9M Agenda

- Introduction of the team
- Preparations
- Getting to St Paul
- Stations and Antennas
- Photos
- Results
- Experiences gained



# About SM0MDG



- Got hooked on radio in 1976
- Tech licence in 1982
- Break for carrer in mid 80s, back on the bands in late 90s
- Operate CW and SSB
- Like contests, 160m and travelling
- Been active from CU2, CT9, 5X, 4O, DU, OY,TF,JX,JW,VP2M,V2, CY9,VY2
- Also licensed as V26BM and VP2MSW
- Strategic Radio Consultant



# About St Paul

- “The Graveyard of the Gulf”
- Sits along the boundary of the Gulf of St Lawrence and the Cabot Strait
- 24km (15 mi) north of Cape Breton, Nova Scotia
- WV2B - <http://www.stpaulisland.net>





Island of Newfoundland

St Paul Island, Victoria, Subd. A, NS, Canada

Saint Pierre and Miquelon

Saint

Prince Edward Island

Cape Breton Island

Nova Scotia

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# Why Rare?



# Mission

- To put CY9, most wanted #41\* on the air on all bands.
- To serve a high demand by putting up to 6 stations on the air simultaneously.
- To be active on low bands despite short summer nights.
- To be active on 6 meters.
- To have fun!

\* Source Clublog April 2, 2012



# Team Background

- International team of 10 from 8 countries
- Passion for rare islands
- Some members dates back 10+ years
- CY9M initiative by MM0NDX & EA3NT





# EU-118 Eilean Mor, Flannans



# EU-059 Hirta, St Kilda

GRID: IO57qt • IOSA: OL-02 • SCOTIA: D123 • WAB: NF09 • GMFF-061 • CQ Zone: 14 • ITU Zone: 27



**MSQINT**

St Kilda Archipelago • Hirta • Scotland • IOTA: EU-059 ✕



# JX50 Jan Mayen



# OC-125 Caluya Island



# OC-244 Tablas Island



# CY9M Team

**N2WB**  
Fund Raising

**MM0NDX**  
Team Leader, PR &  
Club Sponsorships

**SV2KBS**  
High Speed Queen  
& Catering

**VE3EN**  
6 m & propagation

**SM0MDG**  
Station Design, 160 m,  
Equipment sponsors

**EA3NT**  
Co-leader &  
Catering

**VA3FM**  
Authority Liaison  
Officer

**IZ7ATN**  
High Band  
Antennas

**EA2TA**  
IT & Digi Modes

**AB5EB**  
Antennas & low  
bands



# Support Team



**VEIAL - Local Support Sydney**



**VEIRGB Local Support Halifax**



**K3LP - Station Design Consultation**



# Preparations

- Started a year before departure
- Landing permit & \$2 mio Insurance
- Sponsors
- Online collaboration
- Sourcing of material and equipment locally





# Sponsors



Antonio F. Lorca Espada, EA5LV  
Patrick Pihl, SM0MLZ  
Ulf Tjerneld, SM0NOR  
Erick Beckman, SM0UXX  
André Berzotti, PY5EW  
John Bazley, VK4OQ (Silver)  
Hiroahi Shibata, JR3VXR (Silver)  
Roberto Burei, I3BUI  
Andy Hewitt, G3SVD (Silver)  
Sergei Kulyov, UA3AP  
Sato Etsuo, JA0CRI  
Pedro Moreno Laiz, EA2DCF  
Steffi Be  
Tony Pascual, EA2PA (Silver)  
Thomas Horsten, M0TRN  
Thomas Anderson, KE1JF  
John Ancona, K8JA (Silver)  
Richard Henry, W5QP (Silver)  
Steve Hass, N2AJ (Silver)  
Patrick Hayden, AI4W  
Bertrand Bladt, HB9SLO  
Bryce Royle, KD7KMZ (Silver)  
Diego Thobie, F4HAU  
Don Hannah, W2ZI (Silver)  
Hiromi Matsuura, JA4DND (Silver)  
Vlad Lesnichy, R7LV (Silver)  
Guenther Schoedl, OE3GCU  
Arkady Voloshin, UA4CC (Silver)  
Toni Sormunen, OH3T (Silver)  
Terry Rea, W2REA  
Salvador Vidal Boronat, EA3KN  
Pol Degosserie, ON8BV  
Mario Rotondo, K2MUB (Silver)  
Valerie Hotzfeld, NV9L (Silver)  
Michele Rotolo, IF9ZWA (Silver)  
Jose Castillo, N4BAA  
Jesus Munoz Lopez, EA7ON (Silver)  
Deric Affleck, VY2DA  
Sam Fant Jr, KT4WI  
Paul Hannah, VK2HV  
Arecio Hernandez, K3VN (Silver)

# Sponsors



Al Leith, VE1AL – Local Logistics  
Phil Irons, VE1BVD – Local Logistics  
David Collingham, K3LP – Station Design Assist  
Jacques Cartier Motel, Sydney, NS  
Michael Kitchen, KD5PXH, (Platinum)  
Hisa Kobayashi, JA1DOT (Platinum)  
Gennady Mogilevkin, R0FA (Platinum)  
Stan Schwartz, KH6CG (Platinum)  
Tim Beaumont, M0URX (Platinum)  
Hans Voegeli, HS0ZBT (Platinum)  
Thomas Vollmar, DL2FCB (Gold)  
Sergey Kislov, RJ3AA (Gold)  
Craig Thompson, K9CT (Gold)  
Yuji Oda, JH2BNL/NH0AA (Gold)  
Bill Beyer, N2WB (Gold)  
Ulf Tjerneld, SM0NOR (Gold)  
Gou Hanazaki, JA1QXY (Silver)  
Robert Ferguson, GM3YTS (silver)  
Ghislain Delhaye, ON4CD  
Kazunori Suzuki, JA1BPA (Silver)  
Vincent Colombo, F4BKV (Silver)  
Ramon Salas, EA3OR (Silver)  
Patrick Marteville, F-59706  
Bruce Osterberg, N9BX (Silver)  
Donald Havlicek, N8DE  
Pasquale La Gamba, IZ8IYX  
Marc Missalla, DO4DXA  
Niko Zilles, DD1MAT (Silver)  
Yasuhisa Nakajima, JA9IFF (Silver)  
Thomas Rudolph, DK3DUA (Silver)  
SWL Christophe Visconti  
Peter Dernikos, VK3FGRC (Silver)  
Giacoa Massimo S.a.s, IZ7AUH (Silver)  
Andy Clements, EI3KF (Silver)  
Anonymous (Silver)  
Hideharu Aimon, JO1CRA  
Mart Silvrants, PE1NCP  
Ludovik Soler (Silver)  
Don Tokura, JA1EY  
Nori Tokura, 7K3OEP  
Kan Mizoguchi, JA1BK (Silver)  
Neil Carr, G0JHC (Silver)  
Yuri Sushkin, N3QQ (Silver)  
Duncan Campbell, KF6ILA

# Sponsors



Matthew Power, KA1R (Silver)  
 Max Zabolotnikov, UA4PCM  
 Francisco Hennessey, HK3W (Silver)  
 Robert Helmka, AI0O  
 Guillaume Sauvage, F4FET  
 Glenn Petri, KE4KY (Silver)  
 Luke Steele, VK3HJ (Silver)  
 Sean Cavanaugh, VA5LF (Silver)  
 Mike Casey, KC9ORD  
 William Engel, K5DHY (Silver)  
 Igor Khrennikov, RA9CMO  
 Luis Martínez, EA1CS (Silver)  
 Gregg Marco, W6IZT (Silver)  
 Marko Siirtola, OH3XR (Silver)  
 Yutaka Ohkawa, JH0INE  
 Johan Sevenster, ZS1A (Silver)  
 Odd-Egil Heradstveit, LA8AW (Silver)  
 J. Pablo Garcia Jimnez, EA4TX (Silver)  
 Fernando Martinez, EA3KU  
 Arsenio Marrero, EA8AY  
 Ricardo Navarrete Lopez, EA4ZK  
 Monica Poli, KB3WAB (Silver)  
 Marcelo Silva, PY1KN (Silver)  
 Antonio Moya, EA2VE  
 Prasad Rajagopal, VU2PTT (Silver)  
 Mike Coogan, KB7ME  
 Frank Hobelmann, DL8YHR (Silver)  
 Stan Strzyzewski, SQ8X (Silver)  
 Joni Salim, YB9WZJ  
 Yongki Setiawan, YB0COU  
 Andy Bright, M0TTB (Silver)  
 Jose Vicens, NP4G (Silver)  
 Fred Handscombe, A65BD (Silver)  
 Mike Mattes, W2LO (Silver)  
 Kip Edwards, W6SZN (Silver)  
 John Shaw, ZL1BYZ  
 Douglas Aldrich, W0WSP  
 Pavel Ustinov, UA0YAY (Silver)  
 John Bono, WS3N  
 Frank Westphal, K6FW  
 Mr Hariyanto, YB0MWM  
 Raul Blasco Villarroya, EA5KA (Silver)  
 Dave Lloyd, K3EL  
 Philip Holliday, ZL3PAH

# Getting to St Paul





*Storage Facility, Sydney, Nova Scotia*





00:46 Bay St Lawrence



*05:40 Approaching St Paul*



# Landing















*1.1 ton of Equipment!*

# Stations



# Station Configuration

- 6 stations in 2 camps
  - Camp 1 with 2 SSB stations + DIGI
  - Camp 2 with 2 CW stations + 6m
- 4 amplifiers
- Two 5.5 kW generators
- 12 volt battery tanks





# SSB Camp



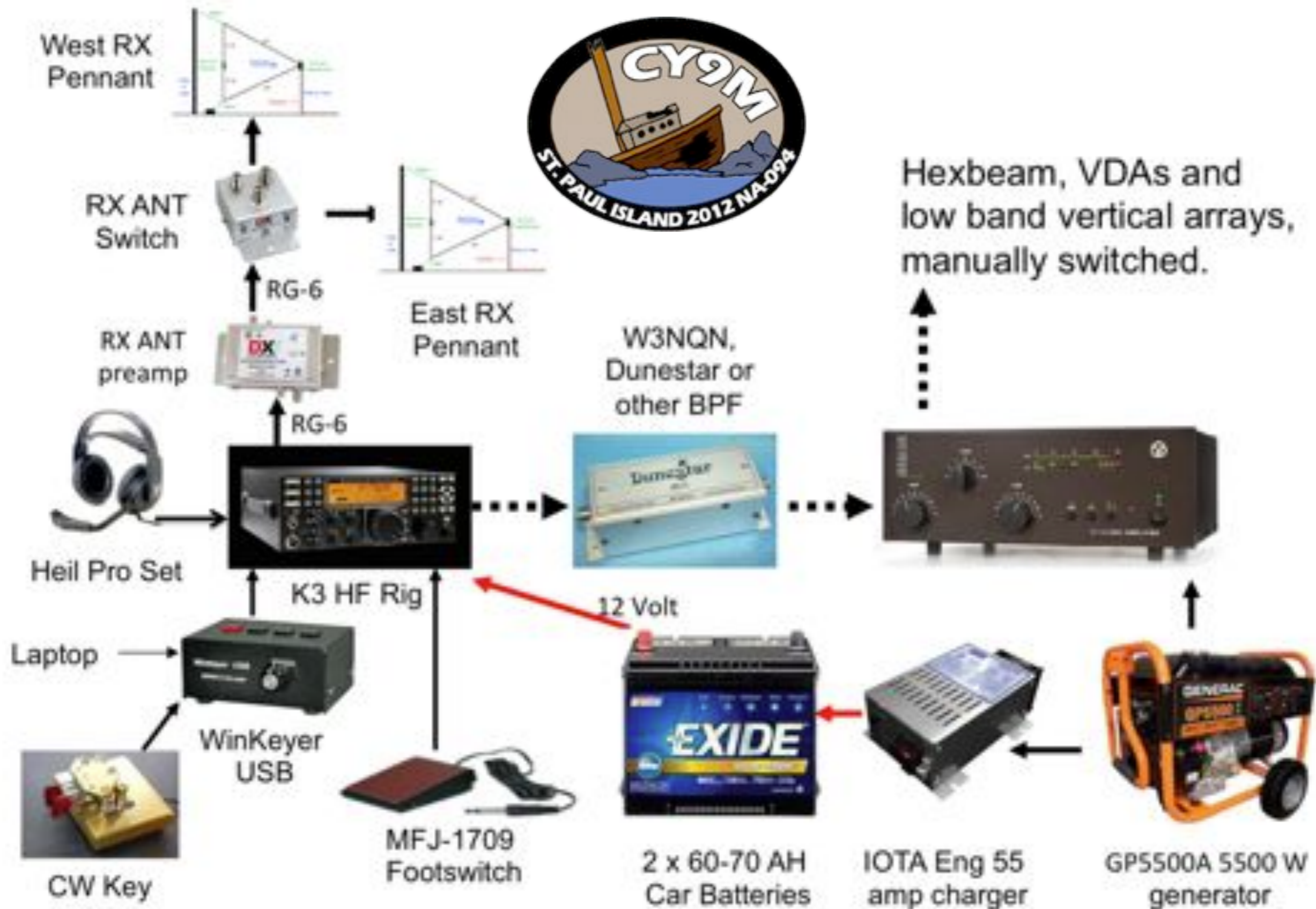
# CW & 6 meter Camp







# Station Setup





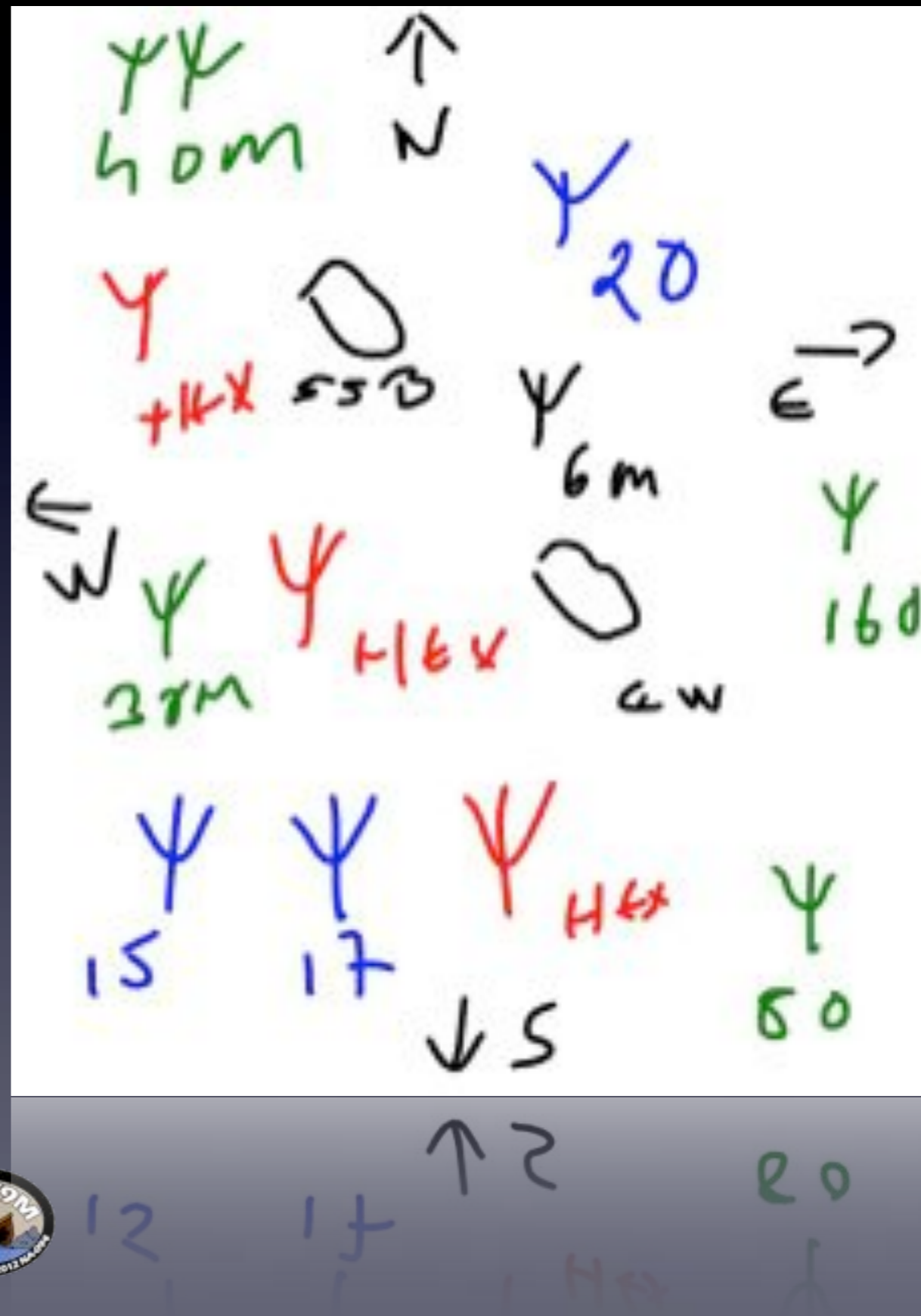
# Antenna Configuration

- High Bands
  - 3 x Hexbeams on 10 meter aluminum mast
  - 3 x VDA – Vertical Dipole Arrays for 15/17/20
- 5 el yagi on 6 meter supported by 10 meter mast
- Low bands
  - 30 m – vertical
  - 40 m – 2-el phased array
  - 80 m – full size vertical
  - 160 top loaded 18 meter vertical
- 2 x RX Pennants facing NA and EU > 100m from camp



# Antenna Plan

Antennas positioned to point away from each other to minimize interference







80m Vert

160m Vert

15/17m VDA

30m vert

6m Yagi

VDA 20m

Hex 3

Hex 2

Hex 1

40m Array





*40 meter phased array*











lördag 2 februari 13



## *Wireless Station Building*









*AB5EB Mike*





*EA3NT Christian*





*SM0MDG Björn*  
*se0x.info*





*VE3EN, Kevin  
solarham.com*



*IZ7ATN Simon*

*MM0NDX Colin*  
*dx-world.net*

*W2WB "Wild Bill"*





*July 29, 2039z: RCMP pay us a visit.*

















*All good things comes to an end..*

*July 31, 1200z: Team is picked up to return.*









*July 31, 1953z: CY9M departs St Paul*





# RESULTS



33.267 contacts in 4.5 days!

12.626 unique calls - 38%

16.232 contacts in SSB - 49%

15.520 contacts in CW - 47%



5.163 contacts on low bands - 16%

788 contacts on 160 meter - one night short

*In summary: One Happy Team!*



# Experiences gained

- Optimise team composition for the target
- Collaborate online, but have a clear agenda
- Create a budget and start fund raising early
- Prepare everything before departure
- Have a clear deployment plan... before departure
- Team gathering at least two days before departure
- Prepare for mishaps, failures and schedule changes
- Plan to have fun!!



# TU!

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